TELLUR

Smart WiFi Thermostatic Radiator Valve RVSH1

TLL331441

- User manual
- Manual de utilizare
- Manual del usuario
- Manuel d'utilisation
- Manuale d'uso
- Benutzerhandbuch

INTO YOUR FUTURE

Thank you for choosing Tellur!

To ensure an optimum performance and safety, please, read this user manual carefully before using the product. Keep this user manual safe for future references.

1. What's in the box

TRV	User Manual
For Danfoss RA valves	For Danfoss RAV valves	For Danfoss RAVL valves	For Caleffi valves	For Giacomini valves	For M28 valves

Adapters

2. Product diagram

Middle button
Knob button
Wi-Fi
Auto
Heating
Low battery
Setting
temperature
Set button
Union nut for heating valve

58.4mm
97mm
Battery
compartment lock
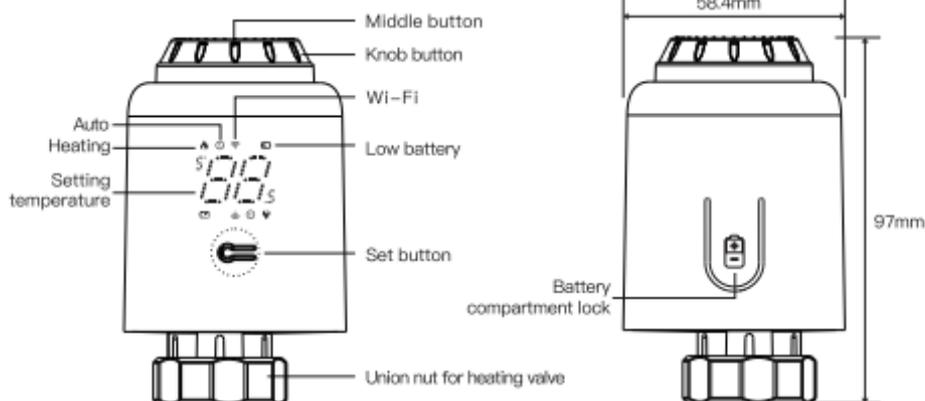
3. Technical specifications:

Utilization: Thermostatic radiator valves
Brand compatibility: Universal
Power supply: 3 x 1.5V AA Alkaline batteries (not included)
Connector: M30 x 1.5mm
Adapters included: Danfoss RA / RAV / RAVL, Caleffi, Giacomini, M28
Connectivity: Wi-Fi (no additional gateway required)
Linear travel: 4.3mm
Temperature setting range: 5 - 35° C
Display: LED
Hysteresis: 0.5° C
Temperature measurement accuracy: 0.1° C
Temperature calibration: Yes, by APP
Temperature statistics:Yes, by APP
Weekly programing: Yes, up to 4 periods each day
Frost protection: Yes
Child lock: Yes
Display parameters: Set temperature, Wi-Fi, Heating, Auto, Low battery
APP name: Tellur Smart
Amazon Alexa: Yes, compatible
Google Assistant: Yes, compatible
Siri Shortcuts: Yes, compatible
Open window detection: Yes, 1.5° C drop in 4.5 minutes
Low battery alarm: Yes
Anti-Scale function: Descaling every Monday at 12:00
Power saving mode: After 5 seconds with no operation
Wireless frequency: 2.4GHz
WiFi standard: IEEE 802.11b/g/n
Security: WPA-PSK/ WPA2-PSK /WPA/WPA2/WEP
Encryption type: WEP/TKIP/AES
Compatibility: Devices with Android 6 / iOS 11 or higher
Color: White

Package includes:
1 x Thermostatic Radiator Valve RVSH1
1 x Adapters set
Product dimensions: 58.4 x 58.4 x 97mm
Product weight: 130gr

4. Product installation

① Press the battery compartment lock, remove the cover, and insert the batteries.

*Attention:
While inserting the batteries, please make sure the polarity of battery (+/−) is aligned.

② Initialize, the mandrel pulls back, then " ⌂ " is displayed and blinking on the screen.

③ When " ⌂ " stop blinking, install the TRV union nut with M30*1.5 thread for heating valve, and then tighten the nut.

④ Press the middle button and then " Ad " start blinking, the device enter valve–adjusting process. After several minutes, the process is completed when initialized screen is displayed.
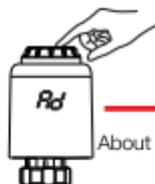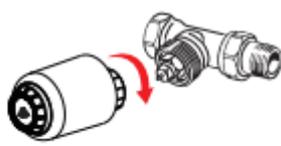
Ad   About 3 min   I S   initialized screen

How to install the adapter correctly

For Danfoss RA valves	For Danfoss RAV valves	For Danfoss RAVL valves
	H13mm	H4.8mm
For Caleffi valves	For Giacomini valves	For M28 valves
	H8.6mm	H11mm
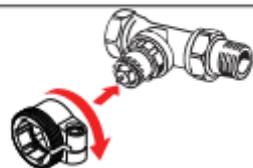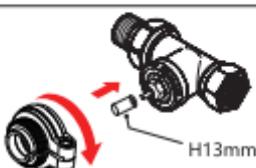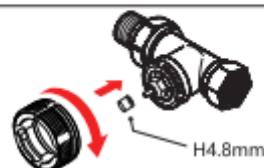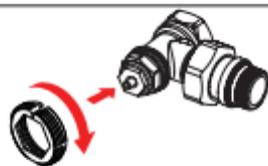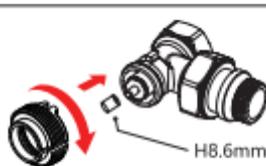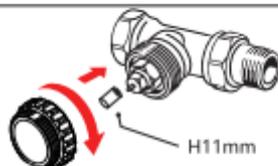
5. Product utilization

Temperature control mode

Press the middle button to switch between
Auto mode and Manual mode.

- **Auto mode**

When " ⊙ " is displayed on the screen, it is under Auto mode.
Four time periods and setting temperature could be programmed
per day, one week as a cycle, based on customized needs.

Auto mode

- **Manual mode**

When " ⊙ " is not displayed on the screen, it is under Manual mode.
The device will work according to current setting temperature,
without controlled by the time period program.

- **Temporary mode**

Under Auto mode, " ⊙ " will be blinking after setting temperature,
and then it will enter Temporary mode.The device is switched to Manual mode temporarily,
without controlled by the time period program. It will return to Auto mode by next time period.
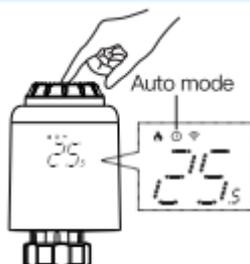
Stop heating and pause heating

- **ON:** In summer, rotate the knob clockwise
until " on " is displayed under manual mode
to stop heating. At this time, the heating
valve is fully open. This can extend the use
life of valve.

- **OFF:** In winter, rotate the knob counterclockwise
until " oF " is displayed under manual mode to
pause heating temporarily. At this time, the
heating valve is closed and the frost protection
is activated.
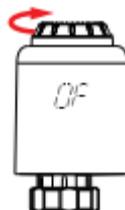
Adjust setting temperature

- **Adjust setting temperature:** Rotate the
knob to adjust setting temperature,
stepping by 0.5℃.

Screen rotation

- **Screen rotation:** Long press the Set Button
for 3 seconds to switch the screen display
direction.
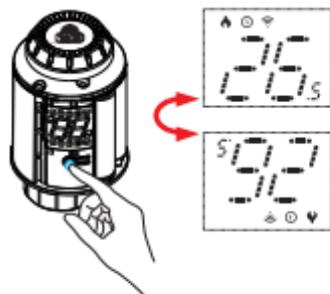
Open window detection and Anti-scale function

- **Open-window function:** First, enter the APP home page to turn on the window detection function, the device will automatically identify whether the window is open. When it is detected that there is cold wind, and the temperature drops by more than 1.5°C within 4.5 min, the open-window function will be activated. At this time, the screen displays "OP", and the temperature is set to 12°C.

- **Anti-scale:** TRV executes routine decalcification every Monday at 12:00 to protect the valve from calcification. "CR" will be displayed on the screen during decalcification.

*Attention: When the open-window function is activated, following operations will terminate it from taking effect.
① Temperature setting operation on the APP or device.
② The detected temperature rises by more than 1.5°C within 4.5 minutes.
③ No operation on the APP or device within 30 minutes.

Child lock function and restore to factory settings

- **Child lock function:** Long press the middle button for 3 seconds until "LC" is displayed on the screen to activate the child lock. While the device is locked, long press middle button for 3 seconds until "LC" disappear to deactivate the child lock.
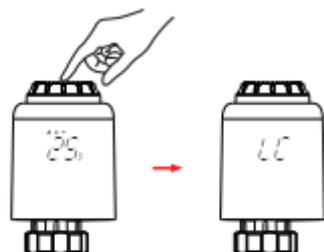
- **Restore factory settings:** Long press the middle button and insert the battery at the same time until "FR" is displayed on the screen and blinking for 3 seconds, the device will be restored to factory settings and restarted.
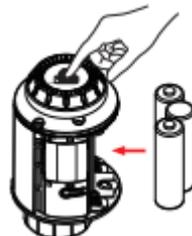
*Attention: Once the device is restored to factory settings, all previous settings can not be recovered.

6. Wi-Fi pairing using Tellur Smart APP

Important notes:
Make sure, that your phone, is connected to the 2.4GHz wireless network, and you have access to Wi-Fi password before you start the pairing procedure.
The app does not support Wi-Fi 6 networks with 802.11ax standard. Please set the 2.4GHz WiFi network to 802.11b/g/n.
We also recommend having the Bluetooth function activated for an easier pairing.

Pairing the device with APP

1. Download and install the Tellur Smart app, available for either iOS or Android devices.

2. Once downloaded, the app will ask you to create an account (if you do not have any already). Enter your email, select the country you live in and create a password for your Tellur Smart account.

***Set up router

This device only supports 2.4GHz frequency band router, does not support 5GHz frequency band router. Please set the relevant parameters of the router before Wi-Fi configuration, Wi-Fi passwords do not include special characters such as ~! @#$%^&*(). When, the device is connected to the Wi-Fi, keep the mobile phone and device close to the router to speed up the configuration of the device.

3. Open the Tellur Smart app and click "Add device" or "+" and then select "Small Home appliances" -> "TRV (Wi-Fi)". If Bluetooth function is active the app will detect the product automatically.
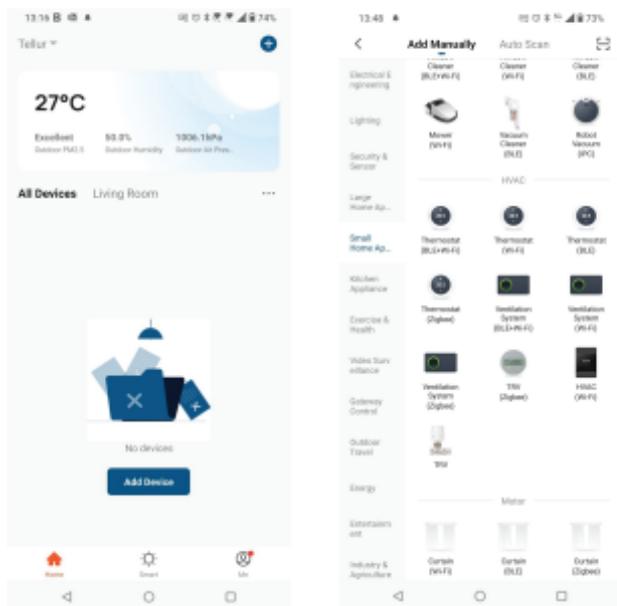
4. Activate pairing mode

① Under manual mode, rotate the knob counterclockwise until "$\mathit{0F}$" is displayed. Then long press the middle button for 3 seconds until "🛜" is blinking.
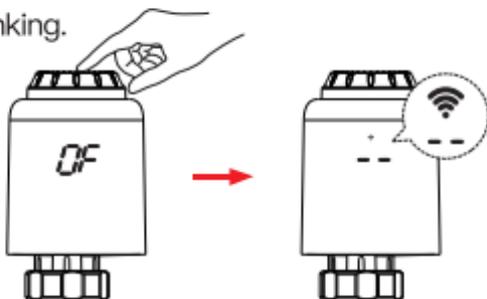
*Attention: Network configuration can only be done under manual mode.
Please turn on the Bluetooth of your phone in advance.

Once, Tellur Smart app is installed on your device and you have added your smart device to your app you will be able to control it.

7. Using Tellur Smart to control the device

EN

Mode selection

• Click " Ⓐ " to select mode.

*Attention: Click " ➕ " or " ➖ " to adjust the setting temperature.

Auto mode: Four time periods and setting temp. could be programmed per day, one week as a cycle, based on customized needs.

Manual mode: The device will work according to current setting temp. without controlled by the time period program.

OFF mode: The valve will be closed to stop heating.

ON mode: The valve will open in heating.

Weekly programing

① Click " Ⓛ " to enter the Weekly programming page.

② Set four time periods and setting temperature based on customized needs.

Settings

• Click " Ⓞ " to enter the setting page.

Window check switch
Child lock switch

Set temperature ceiling

The lower limit of temperature
Temp Calib
Advanced Setting

● Click "⬛" to enter the Temperature Statistics.

Temperature statistics

Time

Valve Open Degree

8. Failed to add device?

- Make sure the device is powered on.
- Check the Wi-Fi connection of your phone.
- Check if the device is in pairing mode. Reset your smart device to enter pairing mode.
- Check router or related: If you use a dual-band router, select the 2.4GHz network to add the device. You also need to enable the router's broadcasting function. Set encryption method as WPA2-PSK and authorization type as AES or set both on "auto".
- Check if the Wi-Fi signal is strong enough. To maintain the signal strong, keep your router and the smart device as close as possible.
- Wireless mode should be 802.11.b/g/n (Wi-Fi 6 protocol 802.11ax not supported)
- Make sure you do not exceed the maximum number of registered devices supported by the app (150).
- Check if the router's MAC filtering function is enabled. If so, remove the device from the filter list and make sure the router is not prohibiting the device connection.
- Make sure the Wi-Fi password entered in the app is correct.

Can I control the device with 2G/3G/4G network?
When adding the device for the first time, the device and the phone need to be connected to the same Wi-Fi network. Once, the device it has been successfully paired with the Tellur Smart app, you can remotely control it via 2G/3G/4G networks.

How can I share my device with family?
Open Tellur Smart app, go to "Profile" -> "Device sharing" -> "Sharing sent", tap "Add sharing" and share the device with the added family members.
Notice - users must install the Tellur Smart app on their device in order to see shared devices.

How can I manage the devices shared by others?
Open App, go to "Profile" > "Device Sharing" > "Sharing Received", then you can find the devices shared by other users. To delete a shared device, swipe left.

9. Troubleshooting

Error code	Problem	Solution
F0	Temperature sensor abnormality	Contact after-sales staff
F1	Slow valve operation	Check the installation and heating valve
F2	The stroke is too long	Check the fastening of TRV
F3	The stroke is too short	Check the heating valve
F4	Running out of battery	Replace batteries immediately
Battery symbol (🔋)	Low battery	Replace batteries within 3 days

10. ALEXA INTEGRATION:

1. Go to Home menu on Alexa app.
2. Select "Skills" / "Skills & Games".

Add Device
Lists & Notes
Reminders & Alarms
Contacts
Routines
Things to Try
Skills & Games
Activity
Help & Feedback
Settings

SEARCH

Search

tellur smart

1 Result   Sort: Relevance

Tellur Smart
Smart Home

Remote control for a better, smarter living.
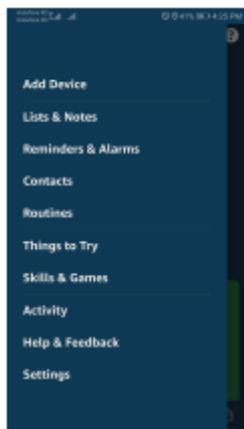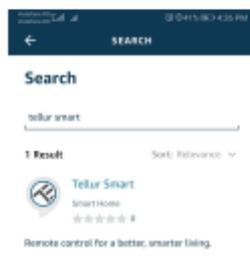
3. Type Tellur Smart in the search bar.

4. Select Tellur Smart and click "Enable" to activate Tellur Smart.

Enter your Tellur Smart account and password. Now you have finished the integration with Alexa.

Tellur Smart app is now skilled with Alexa and you can vocally control the devices added in Tellur Smart.

Remember - if you rename your smart devices, use a simple name that Alexa can recognize.

Here are some examples for Tellur Thermostat:

Alexa, set the thermostat temperature to 25 degrees"
"Alexa, turn on the thermostat"
"Alexa, what is the thermostat temperature "

11. GOOGLE HOME INTEGRATION

Before using Google Home to control your devices,
make sure you meet the following conditions:
• You have a Google Home device or an Android device with
Google Assistant.
• You have the newest version of Google Home app.
• You have the newest version of Google app (Android only).
•You have the Tellur Smart app and a related account.
Add devices in Tellur Smart app (refer to app instructions) –
you can skip this part if you've already added some devices
to your Tellur Smart account. Make sure your devices'
names are easily recognizable.

Link account in Home Control

1.Go to Google Home's homepage and tap "+".
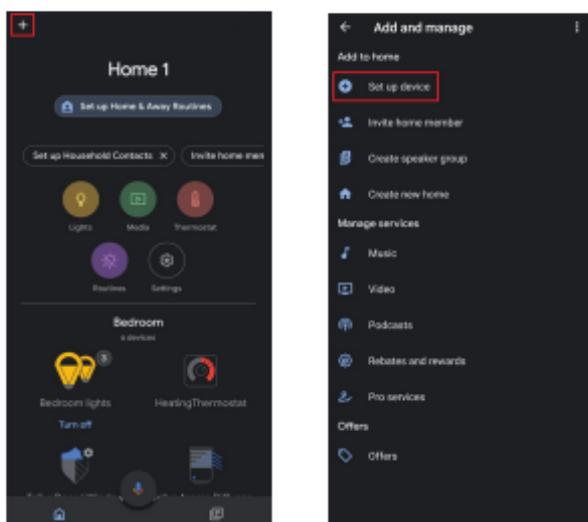
2. Hit the "Add new" button, enter Tellur Smart in the search
bar and select the app from the list. Next, select your Tellur
Smart account's region, enter your Tellur Smart account
and password and tap "Link now". After you assign rooms
for devices, your devices will be listed in the Home Control
page.
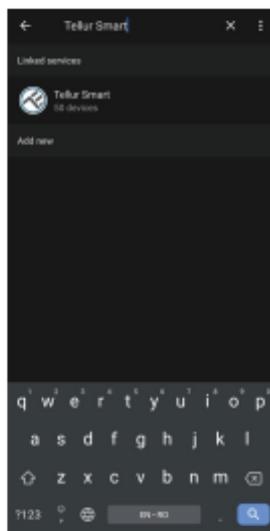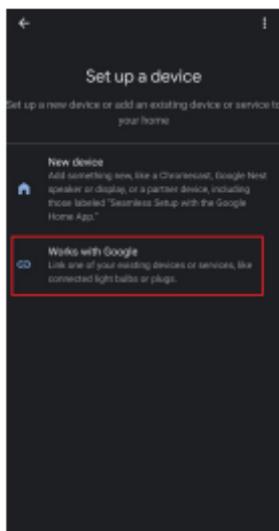
Now you can control your smart devices through Google Home.

Here are some examples of commands for Tellur Thermostat:

"Ok Google, raise the temperature for thermostat by 2 degrees"

"Ok Google, turn of the thermostat"

"Ok Google, change the thermostat to Auto"

"Ok Google, set the thermostat to 22 degrees"

DISPOSAL AND RECYCLING INFORMATION

The crossed-out wheeled-bin symbol on your product, battery, literature or packaging reminds you that all electronic products and batteries must be taken to separate waste collection points
at the end of their working lives; they must not be disposed of in the normal waste stream with household garbage. It is the responsibility of the user to dispose of the equipment using a
designated collection point or service for separate recycling of electrical and electronic equipment waste (WEEE) and batteries according to local laws. Proper collection and recycling of your
equipment helps ensure EEE waste is recycled in a manner that conserves valuable materials and protects human health and the environment. Improper handling, accidental breakage,
damage, and/or improper recycling at the end of its life may be harmful for health and environment.